



Value Through Intensified Bioprocessing II

Lady Margaret Hall
University of Oxford
1st–3rd September, 2021

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A warm invitation to come and join us in Oxford



It is my pleasure to invite all of the great scientists, academicians, young researchers, Business delegates and students from all over the world to attend the seventh International Conference on Value Through Intensified

Bioprocessing II, at Lady Margaret Hall, University of Oxford, on 1st–3rd September, 2021.

This conference shares an insight into the recent research and cutting-edge technologies, which gains immense interest with the colossal and exuberant presence of adepts, young and brilliant.

The conference to bring together, a multi-disciplinary group of scientists and engineers from all over the world to present and exchange break-through ideas relating to the continuous biomanufacturing. It promotes top level research and to globalize the quality

research in general, thus making discussions, presentations more internationally competitive and focusing attention on the recent outstanding achievements in the field of intensified bioprocessing, and future trends and needs. By joining with us you can benefit, from the current advancements in intensified continuous bioprocessing and also learn about the successful organisations that are already applying these methods.

Together we will drive change, innovative growth and pioneer smarter technologies to ensure they reach their full potential

I look forward to an excellent meeting with great scientists from different countries around the world and sharing new and exciting results in continuous developments and look forward to welcome you at Lady Margaret Hall, with its beautiful surroundings in the city of Oxford.

Dr G. Subramanian

Wednesday 1st September

Noon Registration and Canape reception

12:50pm Welcome: Dr G Subramanian

1:00pm PLENARY LECTURE

Impact of microfluidics on bioprocess R&D now: future in personalised manufacturing

John Bonham Carter, Director, Erbi biosystems Inc., USA

ENABLING TECHNOLOGIES

Chairman Miriam Monge

1:30pm Simplify, streamline and single use: 3 strategies for process intensification

Dr Stefan R. Schmidt, Head of Operation (COO), BioAtrium AG, Visp, Switzerland

2:00pm Towards a toolbox to simplify end-to-end intensified and continuous biomanufacturing

Dr Gerben Zijlstra, Sartorius Stedim, France

2:30pm Bioprocessing innovation in the era of acceleration and intensification

Dr Stefanos Grammatikos, VP, Head of Biotech, UCB Pharma, Belgium

3:00pm Continuous manufacturing poised to disrupt the cost barrier in biological production

Himanshu Gadgil, Director and CSO Enzene Biosciences, India

3:30pm Refreshments and Networking

4:00pm Process intensification and its impact on COGS, Facility and Energy

Miriam Monge, Head of Protein Market segment, BPS Marketing, Sartorius Stedim, France

4:30pm WORKSHOP

Process intensification-gaps, risks and strategies to overcome them

Dr Marc Bisschops, Director, SLS integrated solutions, Pall Biotech, The Netherlands

FACILITY, MONITORING AND CONTROL

Chairman Dr Alison Armstrong

5:00pm Advanced PAT automates intensified processes

Marko Sanders, Product Manager PAT, Sartorius Stedim TAP, Royston, UK

5:30pm Digital twins in the production of monoclonal antibodies and antibody fragments by integration of Process analytical technologies

Dr Heribert Helgers, Institute of Separation and Process Technology, Clausthal University of Technology, Germany

6:00pm Bioreactor control using segregated, structured models of cell production

Professor Ajoy Velayudhan Department of Biochemical Engineering, UCL, London

6:30pm Data Science or PAT as Control Strategies for Continuous Biomanufacturing

Professor Christoph Herwig, IRBE Research Area Biochemical Engineering, TU Wein, Austria

7:30pm Dinner

Thursday 2nd September

8:30am Monitoring and Control of the cell culture process

David Anderson

QUALITY, REGULATORY, FINANCIAL

Chairman Dr William Whitford

9:00am Evolution of biological manufacturing: impact in quality control (QC) testing

Dr Alison Armstrong, Senior Director, Development Services, Merckgroup, Glasgow

9:30am Regulatory aspects of connected and / or continuous downstream processing: lesson learned

Dr Marc Bisschops, Sr. Director SLS - Integrated Process Solutions, Pall Corporation, The Netherlands

10:00am Regulatory and Quality considerations for Gene Therapy

Britta Manser Manager Process Intensification, SLS, Pall Corporation

10:30pm Refreshments and Networking

11:00am Viral Safety in and end-to-end continuous antibody manufacturing process for a Phase 1 submission

Maarten Pennings BiosanaPharma BV, The Netherlands

UPSTREAM

Chairman: Dr Marc Bisschops

11:30am Analytics for better bioprocess performance at R&D phase and beyond

Dr. Jörg Schwinde, Executive Director Sales and Service Support – Bioprocess; Eppendorf

Noon Process intensification in Gene Therapy using adherent cell culture

Andreia Pedregal, Pall Corporation

12:30pm Considerations in the design of an ATMP facility

Dr William Whitford Life Science Strategic Solutions Leader, DSP group

1:00pm Lunch

2:00pm Towards a toolbox to simplify end-to-end intensified and continuous biomanufacturing

Dr Gerben Zijlstra, Sartorius Stedim, France

2:30pm An integrated perfusion process for cell-based production of MVA virus for vaccination and gene therapy

Sven Goebel, Maxplank Institute, Magdeburg, Germany

3:00pm A 500-L continuous mAb biomanufacturing platform

Dr Nick Hutchinson, Fujifilm, UK

3:30pm Refreshments and Networking

DOWNSTREAM

Chairman: Dr Stefan R. Schmidt

4:00pm	Next level performance: continuous twin-column chromatography in biological manufacturing
	<i>Dr Thomas Muller-Spaeth, YMC/ Chromacon, Switzerland</i>
4:30pm	Impact of chromatography intensification on viral clearance
	<i>Jérôme Chevalier, Product Manager, Novasep, France</i>

5:00pm	Intensification of SPTFF by Implementation of new PAT
	<i>Dr Martin Glenz, SLS, Pall Corporation, Switzerland</i>
5:30pm	Continuous downstream processing of Antibodies with non-interrupted mass flow of product
	<i>Professor Alois Jungbauer, University of natural resources, Vienna, Austria and Austrian center of industrial biotechnology, Austria</i>
7:30pm	Gala Dinner

Friday 3rd September

VIRUS & VACCINE PRODUCTION	
	<i>Dr Stefanos Grammatikos</i>
9:00am	Assessing the benefits of intensified integrated continuous processing in virus manufacture
	<i>Tania Pereira Chilima, Chief Technology Officer, Univercells Technologies</i>
9:30am	Covid Vaccines – Economic and supply chain implications
	<i>Dr Yuki Abe, Director of Sales & Marketing, Biopharm Services Ltd, UK</i>
10:00am	Realizing the potential of gene therapy with process intensification of viral vector manufacturing
	<i>Dr René Gantier, PhD, Director of Technology, Gene Therapy, Repligen Corporation, USA</i>
10:30am	Refreshments and Networking
11:00am	Developing a process for global supply of the ChAdOx1 COVID Vaccine
	<i>Dr Alexander (Sandy) Douglas, Jenner Institute, University of Oxford</i>

11:30am	Digital Twin of mRNA-based sars-covid19 vaccine manufacturing towards autonomous operation for improvements in speed, scale, robustness, flexibility and real time release testing
	<i>Dr Axel Schmidt, Institute of Separation and process Technology, Clausthal University of Technology, Germany</i>
Noon	PANEL DISCUSSION
	CMC regulatory consideration in rapid clinical development: experience with the Oxford COVID-19 vaccines Chairman: Dr Alexander Douglas.; Jenner Institute, University of Oxford Panel members: Professor Daniel Smith, Dr Richard Tarrant
12:45pm	CONCLUDING REMARK
	<i>Dr William Whitford</i>
1:00pm	Lunch

All information is correct at the time of print and maybe subject to change.

World Biopharm Forum 2021



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Attendance, all meals & no accommodation: **£800**

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For bank transfer please contact.

CANCELLATION

Should you be unable to attend, a substitute delegate is welcomed at no extra charge.

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including flights, transfers, car hire, hotels & tours.

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